STRONG DIGITAL TV

Digital Terrestrial Receiver SRT 5300

Picture similar

User manual

HOTLINE

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Thank you for purchasing a receiver from STRONG. Please contact our Service HOTLINE for questions regarding installation or operation.

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Digital Terrestrial | 1000 Channels | TV Info | Digital Audio | Subtitles | Tele Text | Main/Auto Search | MP3/JPG | MPEG | 8 Favourite lists | Parental Lock | 0.74 Watt Stand-by

DVB Digital Video Broadcasting

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17 Feb 2011 21:16

Fig. 1

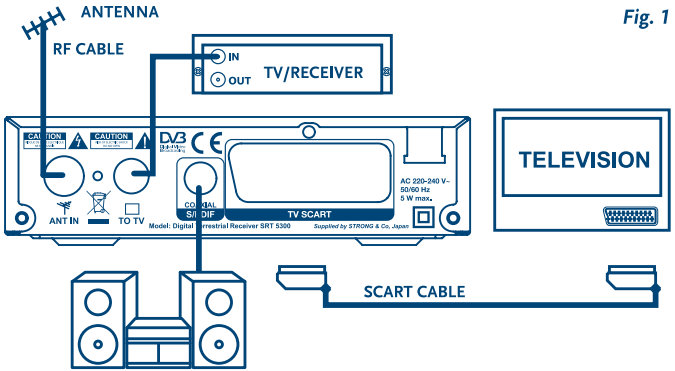


Fig. 2

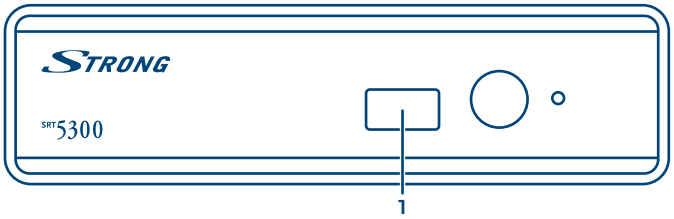


Fig. 3

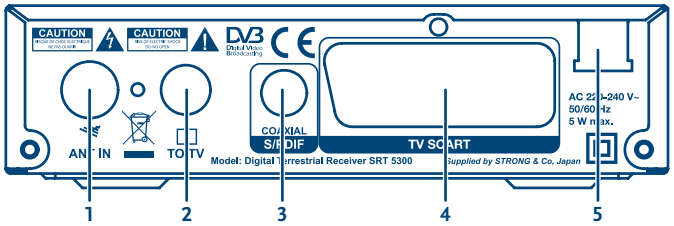
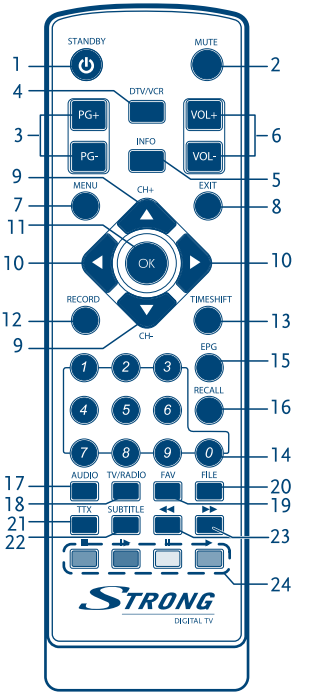


Fig. 4



STRONG
DIGITAL TV

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STRONG declares that this item complies with the basic requirements and other relevant regulations of directives
CE 2004/108/EEC and 73/23EEC; RoHS 2002/95EEC
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18 Jan 2011 16:30

HOTLINE
0180 501 49 91*
* €0,14/Min. from German wired line
* €0.42/Min. max. from mobile network
0820 400 150*
* €0,12/Min. from Austrian wired line
0826 029 928*
* €0,14/Min. from French wired line

per March 2010

1.0 INSTRUCTION

1.1 Safety Instructions

The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of not isolated dangerous voltage with the inside of the product that may be of sufficient magnitude to constitute a risk of electric shock to persons.
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and servicing instructions in the literature accompanying the appliance.
Read All Instructions – Before you use the product, read all operation instructions, For more information on accessories such as the lithium ion battery, refer to the manuals provided with those products.
Save These Instructions – Save all safety and operating instructions for future reference.
Heat Warnings – Read carefully and follow all warning labels on the product and those described in the instructions.
Follow Instructions – Follow all instructions provided with this product.
Cleaning – Always unplug this product from the wall outlet before cleaning. Use only a damp cloth for cleaning. Never use any type of liquid or aerosol cleaner, or any type of organic solvent to clean this product.
Attachments – For your safety and to avoid damaging the product, use only accessories recommended by STRONG.
Water and Moisture – Never use this product around water (near a bathtub, kitchen sink, laundry tub, wet basement. swimming pool or in the rain)
Location – To avoid damage to the product and prevent personal injury, never place this product on an unstable stand, tripod, bracket, Follow the instructions that describe how to safely mount the product, and use only the mounting devices recommended by the manufacturer.
Power Sources – Connect this product only to the power source described on the product label. If you are not sure about the type of power supply in your home, consult your local power company.
Refer to instruction pages for information on using the product with a battery.
Grounding, **Polarization** – If this product is used with a specified AC adapter, the adapter may be equipped with a polarized alternating current line plug (a plug with one blade wider than the other). This safety feature allows the plug to fit into the power outlet only one way. If you cannot insert the plug into the wall outlet, pull it out, reverse it, and have the receptacle replaced.
Protecting the Power Cord – The power supply cord should be placed so it will not be walked on. Never put a heavy object on the power cord or wrap it around the leg of a table or chair. Keep the area around the power cord connection points, at the power outlet, and at the product connection, free of all AC adapter or accessory power cords.

GENERAL PRECAUTIONS – SAFETY PRECAUTIONS
Lightning – If a lightning storm occurs while using a specified AC adapter, remove it from the wall outlet immediately. To avoid damage from unexpected power surges, always unplug the AC adapter from the power outlet and disconnect it from the receiver when the receiver is not in use.
Overloading – Never overload wall outlets, extension cords, power strips, or other power connection points with too many plugs.
Foreign Objects, **Liquid Spillage** – To avoid personal injury caused by fire or electrical shock from contact with internal high voltage points, never insert a metal object into the product. Avoid using the product where there is a danger of spillage.

Heat – Never use or store this product near any heat source such as a radiator heat register, stove, or any type of equipment or appliance that generates heat, including stereo amplifiers.
Servicing – Refer all servicing to qualified personnel. Attempting to remove the covers or disassemble the product, could expose you to dangerous high voltage points.
Damage Requiring Service – If you notice any of the conditions described below while using a specified AC adapter. Unplug it from the wall outlet and refer servicing to qualified service personnel:

1. Liquid has been spilled onto the product or some other object has fallen into the product.
2. The product has been exposed to water.
3. The product does not operate normally despite following operating instructions. Adjust only the controls described in the operating instructions ad improper adjustment of other controls could damage the product and require extensive repair word by a qualified technician.
4. The product has been dropped or damaged in any way.
5. The product exhibits distinct change in performance.

Replacement Parts – When replacement parts are required, mare sure that the authorized service centre uses only parts with the same characteristics as the originals, as recommended by the manufacturer. Unauthorized substitution of parts could result in fire, electrical shock, or create other hazards.
Safety Check – Upon completion of servicing or repairs, ask the service technician to perform safety checks to determine that the product is in good working order.
Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
Where the mains plug or all-pole mains switch is used as the disconnect device, the disconnect device shall remain readily operable.

1.2 Storage

Your receiver and its accessories are stored and delivered in a packaging designed to protect against electric shocks and moisture. When unpacking it, make sure that all the parts are included and keep the packaging away from children.
When transporting the receiver from one place to another or if you are returning it under warranty make sure to repack the receiver in its original packaging with its accessories. Failing to comply with such packaging procedures could void your warranty.

1.3 Equipment Set-up

We recommend you consult a professional installer to set up your equipment. Otherwise, please follow these instructions carefully:

- Refer to the user manual of your TV and your antenna.
- Make sure that the SCART cable and outdoor components of the antenna are in a good condition and the SCART connections are well shielded.

This manual provides complete instructions for installing and using this receiver.
The following symbols will serve as follow.

Warning	Indicates warning information
Tips	Indicates any other additional important or helpful information
MENU	Represents a button on the remote control or the receiver (Bold Character)
Move to	Represents a menu item within a window (*Italic Character*)

1.4 Features & Accessories

- For all* digital Free-To-Air TV and Radio programmes (with outdoor- or indoor antenna)
- Quick and easy installation & user-friendly menu
- Excellent Audio- and Video quality
- 1.000 channels memory capacity
- Fast channel zapping: sorting by alphabet, free/encrypted channels
- Electronic TV Programme Guide (EPG) for on screen programme information of present/following event information up to 7 days **
- 8 timers with 4 modes (once, daily, weekly, monthly)
- Sleep Timer (10, 30, 60, 90, 120 min)
- Booking of events directly from EPG
- Full multi-lingual DVB subtitling and audio track support**
- Support Teletext** via receiver and TV remote control
- 8 Favourite lists for TV- and Radio programmes
- Parental lock function for menu and rating control for channel
- Multi-lingual support on screen menu (OSD), such as English, German, French, Italian, Spanish, Czech
- USB 1.1 port: for software update, playing video and music files and viewing photos
- Automatic and manual channel scan options
- Many channel handling options: locking, editing, moving, sorting, skipping, deleting and searching
- Power on with last viewed channel
- User-friendly Remote Control
- NTSC/PAL converting automatically and manually
- 3 Games (Tetris, Snake, Othello)
- Digital sound through coaxial output (S/PDIF) by connecting to digital amplifier
- DVB-T compliant, UHF/VHF Tuner with Loop-through function
- Support of active antenna by 5 V output
- Power saving automatic standby function

* Depending on local signal conditions
** Availability depending on broadcaster

Accessories:

- 1 User Manual
- 1 Remote control unit
- 2x Batteries (AAA type)

NOTE: The batteries should not be recharged, disassembled, electrically short-circuited or be mixed or used with other types of batteries.
If rechargeable accumulators instead of batteries are going to be used, we recommend using (e.g. NiMH) types with low self-discharge to ensure long time operation of remote control.

1.5 Usage of external USB devices

- It is recommended to use USB 1.1 storage devices. If your device is not compatible to USB 1.1 specifications, playback and other multimedia functions of the receiver would not work properly.
- To ensure best performance of your USB storage device please format it by this receiver (menu *Media+ > Disk Format*) to FAT32 system. Other file systems are not supported by the receiver.
- STRONG cannot guarantee compatibility to all types of USB storage devices.
- If you are going to use external USB HDD (Hard Disk Drive) please consider that the power specifications might exceed the supported output of your receiver (5 V/800 mA). If so, please connect your USB HDD to an according external power adapter.
- It is advised not to store important information on USB storage devices used with the receiver. Always make backups of data on USB storage device before usage with receiver. STRONG will not take responsibility for any loss of information or circumstances caused by loss of information.

2.0 CONNECTION

2.1 Connecting to TV and Terrestrial Antenna

To receive the broadcast signal, the terrestrial antenna cable should be connected to the ANT IN connector at the back of the receiver. (Fig. 1)

2.2 Connecting to a Digital Audio Amplifier

Connect your Digital Audio Amplifier with the S/PDIF connector on the back of the receiver (Fig. 1).

3.0 YOUR RECEIVER

3.1 Front Panel

Fig. 2

1. **USB** — Connects to USB device

3.2 Rear Panel

Fig. 3

1. **ANT IN** — To connect an antenna for reception of broadcasting signal. Active antennas can be supported with max. 5 V/500 mA DC.
2. **TO TV** — To connect a TV set or to connect an extra receiver.
3. **S/PDIF Coaxial** — To connect your receiver to digital audio amplifier.
4. **TV SCART Connector** — To connect your receiver with your TV set using a SCART cable.
5. **Power Cord** — Your receiver requires a voltage of 220 – 240 V AC (Auto-selectable), 50/60 Hz +/-5 %. Make sure to check the power specification before connecting your receiver to the wall outlet.

3.3 Remote Control

Fig. 4

1. ⏻	Turns the receiver On/Standby
2. 🔇	Mutes audio output of the receiver
3. **PG+/PG-**	Page up/down
4. **DTV/VCR**	No function
5. **INFO**	Shows the actual channel information
6. **VOL+/VOL-**	Volume up/down
7. **MENU**	Opens the main menu/In menu you will get one step back
8. **EXIT**	Exits from the menu or sub-menu
9. ▲▼	Menu On: Moves the cursor up/down. Menu Off: Change channel to previous/next.
10. ◀▶	Menu On: Change settings for specific Menus Menu Off: Increases/decreases the volume level.
11. **OK**	Menu On: Activates the highlighted menu item. Menu Off: Displays the current channel list
12. **RECORD**	No function
13. **TIMESHIFT**	No function
14. **0–9**	Channel selection or value input
15. **EPG**	Shows the EPG (Electronic Program Guide) in TV mode
16. **RECALL**	Back to previous shown channel
17. **AUDIO**	Sets the current audio channel to left, right or stereo
18. **TV/RADIO**	Toggles between TV or RADIO mode
19. **FAV**	Favourite group selection
20. **FILE**	no function
21. **TTX**	Shows Teletext on OSD (On Screen Display)
22. **SUBTITLE**	Shows list of subtitled languages
23. ◀◀ ▶▶	Rewind/Fast forward of video files
24. **COLOURED BUTTONS**	for Teletext and other functions

3.4 Default PIN- code: 0000

4.0 FIRST TIME INSTALLATION

If you use the receiver for the first time, the *Easy Install* menu appears. Use ▼▲ to select *Region*, *OSD Language*, *Antenna Power* and *Scan Mode* and ◀▶ to select options. Then use the ▼▲ buttons to move focus to *Search* and press **OK** to proceed with the automatic channel scan.

5.0 MAIN MENU

In viewing mode press **MENU** at any time to enter the Main Menu. It consists of the following submenus: *Channel*, *Installation*, *Setup*, *Tools* and *Media+*

5.1 Channel

1. Use the ▼▲ buttons to select *Channel* and press **OK** to enter.
2. Use the ▼▲ buttons to highlight the desired item and press **OK** to select.

3. Press **EXIT** to exit.

NOTE: You can also press **OK** in TV mode to enter the channel list.

5.1.1 TV Channel list

1. In *Channel* submenu select *TV Channel List* with the ▼▲ buttons and press **OK** to enter.
2. Use the ◀▶ buttons to change channel group (assumed you have already set up Favourite groups).
3. With the ▼▲ buttons select the channel you wish to watch. Press **OK** to watch the selected channel in full screen mode.

5.1.1.1 Edit

Use this menu to lock, skip, delete or rename channels or add them to a favourite list. Press the numeric button **1** to enter the *Edit* menu.
Highlight a channel with the ▼▲ buttons and press **OK** to select or press numeric button **0** to select all channels. Selected channels will be marked. This way of selection can be executed for each of the edit functions.

Favor: To add selected channel or all channels to a favourite group, press the **1** button. Use the ▼▲ to select a desired group and press **OK**. With ◀▶ select *Yes* in the confirmation window and press **OK** to save. Selected channels will be marked with a folder symbol.

Lock: Press **2** to Lock one channel or all channels. Use ◀▶ to select *Yes* in the confirmation window and press **OK** to save. Selected channel/s will be marked with the 🔒 symbol.

Skip: Press **3** to Skip one channel or all channels. Use ◀▶ to select *Yes* in the confirmation window and press **OK** to save. Selected channel/s will be marked with the ⮨ and will be skipped during channel zapping in full screen mode.

Delete: Press **4** to Delete one channel or all channels. Use ◀▶ to select *Yes* in the confirmation window and press **OK** to save.

Rename: To Rename a channel press button **5**. When all desired changes are made, press **EXIT** to leave the menu.

5.1.1.2 Find

Press the button **2** in to enter *Find* menu.
Use the ▼▲◀▶ buttons to highlight desired letters or numbers and press **OK** to insert. After each character, the channel list will search the channel according your input and list the matched channel. Press **EXIT** to quit Find mode.

5.1.1.3 Sort

Press the button **3** to enter *Sort* menu.
Use the ▼▲ buttons to highlight the desired sort option and press **OK** to confirm.

Default: Sorting by searched Order (from lowest to highest frequency).
Name (A-Z): Sorting in Alphabetical Order.
Name (Z-A): Sorting in Alphabetical Order.

FTA: First in the list will be Free-To-Air channels.
Lock: Unlocked channels will be listed first, followed by all locked channels.

5.1.1.4 Move

Press the button **4** to activate the *Move* function.
The selected channel will be marked with the ▲▼ symbol. Use the ▼▲ buttons to move the selected channel to the desired position. Press **OK**, use ◀▶ to select *Yes* in the confirmation window and press **OK** to save the changed position.

5.1.2 Radio Channel list

The operation of *Radio Channel List* is the same as in *TV Channel List*. Since there is no video information in Radio mode, the radio background will be displayed in the preview window on the right.

5.1.3 Delete all Favourites and Groups

Use this menu to delete all favourite channels. Select *Delete All Favourites* with the ▼▲ and press **OK**. Use ◀▶ to select *Yes* in the confirmation window and press **OK** to delete or select *No* to cancel.

5.1.4 Delete all

Use this option to delete all channels. Select *Delete All* with ▼▲ and press **OK**, then enter the Password (default:0000). In the confirmation window select *Yes* with ◀▶ and press **OK** to delete or select *No* to cancel.

5.1.5 Group Rename

In this menu you can change the name of favourite groups. Use the ▼▲ buttons to select *Group Rename* and press **OK** to enter.

1. Select a group with ▼▲ and press **OK**.
2. Use the ▼▲◀▶ buttons to navigate the on screen keyboard. Highlighted characters can be inserted by pressing **OK**. After entering the desired group name, highlight *OK* at the keyboard to confirm.
3. Press **EXIT** to cancel the group rename.

5.2 Installation

5.2.1 Auto Scan

1. Use the ▼▲ buttons to select *Installation* and press **OK** to enter menu.
2. Use ▼▲ to select *Auto Scan* and press **OK** to enter the menu.
3. Change the Scan mode with ◀▶. Use ▼▲ to highlight *Search* and press **OK** to start auto scan.

5.2.2 Channel Scan

1. Use the ▼▲ buttons to select *Installation* and press **OK** to enter the menu.
2. Select *Channel Scan* with ▼▲ and press **OK** to enter.
3. Use the ◀▶ buttons to select the desired Scan Modes – *By Channel* or *By Frequency*.

4. When *By Channel* is selected use the cursor buttons to select *Scan Band* and *Channel No.*. When *By Frequency* is selected use the cursor buttons to select Frequency and Bandwidth. Set *Network Search* to ON or OFF, highlight *Search* and press **OK** to start scanning. Found channels will be stored and the receiver will switch to the first channel in the list.

5.2.3 Antenna Setting

1. Press **MENU** to enter main menu.
2. Use the ▼▲ buttons to select *Installation* and press **OK** to enter the menu.
3. Select *Antenna setting* with ▼▲ and press **OK** to enter.
4. Use the ◀▶ buttons to change the setting. If *On* is selected, the receiver will provide 5V antenna power (for active antennas).
5. Press **EXIT** button to exit.

5.2.4 LCN Mode

If LCN (Logical Channel Numbering) is activated and LCN signal is provided by the operator, channels will be stored in operator defined order. You can activate/deactivate the LCN function by setting the *LCN Mode* to *ON* or *OFF*.

5.3 Setup

This menu allows you to set *OSD Language*, *Subtitles preference*, *TV System*, *Region and Time*, *Timer Setting*, *OSD Setting* and *Parental Lock*.

1. Use ▲▼ to highlight the desired menu and press **OK** to proceed. Select the desired item with ▲▼. Settings can be changed with the ◀▶ buttons. To get a better overview of possible settings, press **OK** first. Now you can select settings with ▲▼ and confirm with **OK**.
2. Press **EXIT** button to exit.

5.3.1 OSD Language

This menu allows you to set the OSD Language.

5.3.2 Subtitles preference

This menu allows you to set the preferred *Subtitles Language* and to switch *Subtitles Type* between *Normal* and *Hard of Hearing*.

5.3.3 TV System

This menu allows to setup different settings concerning your TV set.

Display Mode:	PAL/NTSC/AUTO
Aspect Ratio:	Use this menu to configure the screen aspect. Possible settings are: *4:3PS (Pan&Scan)*, *4:3LB (Letter Box)*, *16:9 (Wide Screen)* and *AUTO*.
Video Output:	Use this menu to switch the video output mode between *RGB* and *CVBS*.

5.3.4 Region and Time

Here you can set your region and time zone.

Region: This menu is used for changing the region setting.
GMT Usage: This setting allows you to switch the usage of GMT time on or off.
The options are: *Off / User Define / By Region*
GMT Offset: This menu is valid only when *User Define* is selected in *GMT Usage* menu. The GMT offset range is *-11:30 ~ +12:00*, increasing by half hours progressively.
Date/Time: *Date* and *Time* menus are valid only when *Off* is selected in *GMT Usage* menu. Press *OK* followed by numbers to change the date and time.
Time Display: This menu allows to control whether the time is displayed on screen or not. The options are: *Off/On*.

5.3.5 Timer Setting

In this menu you can set a programme timer or sleep timer.

Programme timer

Timer Number: You can set up to 8 timers
Timer Mode: *Off/Once/Daily/Weekly/Monthly*
Timer Service: *TV Service/Radio Service*
Wake-up Channel: You can select any channel as wake-up channel.
Month/Date/Day: Use ▲▼ to select the start month, date and day.
Time: Press **OK** to input the time with the numeric buttons.
When you leave the programme timer, a saving window appears. Use ◀▶ to select *Yes* in the confirmation window and press **OK** to save or select *No* to cancel.
Duration: Press **OK** to input the timer duration with the numeric buttons.

Sleep Timer

You can set the receiver to power OFF in *10 min, 30min, 60min, 90min* and *120min* automatically.

5.3.6 OSD Setting

This menu allows you to change settings for: *Subtitle Display*, *OSD Transparency* and *Load Default OSD Setting*.
Subtitle Display: To set the subtitle to *Standard* or *OFF*.
OSD Transparency: To set the OSD transparency from *Off ~ 50%*.
OSD Timeout: To define how long the information banner is to be shown *(5S~10S)*
Load Default OSD Setting:
To clear all OSD settings and reset to default value.

5.3.7 Parental Lock

This menu allows you to protect the installation menu or channels with a password. You can also change the Password here. When entering the menu you will be asked to input the password (default:0000).
Menu Lock: Locks the installation menu. You can set menu lock to *ON/OFF*.
Channel Lock: *Off/Manual/Age: 4 - Age: 18*
New Password: Input your new password here to change the password.
Confirm Password: Input your new password again to confirm the new password.

5.3.8 Auto Standby

This option allows you to enable or disable *Auto Standby*. The default setting for *Auto Standby* is *ON*. The receiver will switch to standby automatically when it doesn't receive commands from the remote control for three hours. To avoid the automatic switch off, set *Auto Standby* to *OFF*.

5.4 Tools

Press **MENU** to enter Main Menu. Select *Tools* with the ▲▼ buttons and press **OK** to enter.

1. Use ▲▼ to highlight the desired menu and press **OK** to enter.
2. Press **EXIT** to leave.

5.4.1 Receiver Information

This menu displays relevant Receiver information like the Receiver Model, Software version, Signature, and our website www.strong.tv.

1. In *Tools menu*, select *Receiver Information* and press **OK** to open receiver information.
2. Press **EXIT** to leave.

5.4.2 Game

This menu allows you to play games (Tetris, Snake and Othello) on this receiver.

1. Select "*Game*" in *Tools menu* and press **OK** to enter the game menu.
2. Use ▲▼ to select a desired game, and press **OK** to enter the game. Highlight *Start* and press **OK** to start the game. For changing levels highlight *Setup* and use the ◀▶ buttons.
3. Press **EXIT** to quit the game.

NOTE: You can also press **OK** to pause playing.

5.4.3 Load Factory Default

This option allows you to reset the receiver to factory settings, which clears all stored channels and settings.

WARNING: This option will permanently delete all your settings and channel lists and set your receiver to factory default! Please use with caution.

1. Enter *Tools* menu, select *Load Factory Default* and press **OK** button. You are asked to input your password.
2. Input the correct password using the numeric buttons (the default password is "0000"). A confirmation window will be displayed.
3. Select *Yes* to return back to factory settings and clear all channels. Select *No* to cancel.
4. Press **EXIT** button to exit.

5.4.4 Software Upgrade

1. Enter *Tools* menu, select *Software Upgrade* and press **OK** button. The *Software Upgrade* menu is shown.
2. Use ▲▼ to select *Upgrade by Storage* and press **OK**. You are asked to input password.
3. Input the correct password (the default password is 0000). The *Software Upgrade* submenu will be opened. Then select the correct software file and press **OK** to start.

A message will be displayed to confirm the update process. Select *Yes* to confirm or *No* to cancel.

4. Press **EXIT** button to leave.

WARNING: After an update the receiver restarts automatically! During this process **NEVER** disconnect the receiver from the mains or switch OFF the power! This can damage your receiver and will void the warranty.

NOTE: This receiver is equipped with an over the air update function, which might not be operational in your broadcast region. For further details visit our website www.strong.tv or contact your local Service line.

5.5 Media+

Select *Media+* and press **OK** to enter *Media+* menu.

1. Press **MENU** to enter the main menu. Select *Media+* and press **OK** to enter the menu.
2. Use ▲▼ to highlight the desired menu and press **OK** to enter.
3. Press **EXIT** to leave *Media+*.

Use the two button rows in bottom of your remote control for Player operation. A help screen showing how to use the buttons will be displayed on screen.

5.5.1 Media Player

This function allows you to play MPEG1 and MPEG2 video, Audio and Photo files from a connected USB device.

1. In *Media+* menu, select *Media Player* and press **OK** to enter the menu.
2. Use ▲▼ to select the desired item, and press **OK** or **PLAY** to play the desired files.
3. Press **EXIT** to quit.

5.5.2 Safely Remove Storage Device

In *Media+* menu, select *Safely Remove Storage Device* and press **OK** to safely remove the USB device. A message indicating that the device can be removed, will be displayed.

6.0 OPERATION

6.1 Changing Channels

There are 4 ways of channel selection: stepping through the channel list, selection by number, from the on-screen channel list, and using the electronic programme guide (EPG).

Stepping through the channel list

To move through the channel list, use the ▲▼ buttons on the remote control.

Selection by direct channel number input

Enter the channel number directly by using numeric buttons, and press the **OK** button to select the channel.

Selection by on-screen channels list
You can also select the required channel directly from on-screen channel list. To call up the channel list, **OK** in viewing mode. Alternatively, the list can be displayed using the receiver's main menu. See chapter 5.1.1 TV Channel list in this manual for operation details.

Selection via EPG
You can also select the required channel directly from electronic programme guide (EPG).
To display the EPG, press **EPG** on remote control. See chapter 6.2 below for details.

6.2 Accessing the Electronic Program Guide (EPG)

1. Press **EPG** to enter EPG menu.
2. Use the numeric button **2** to switch the highlight between channel list, events schedule of the selected channel and now/next events.
3. In the event schedule, press the numeric button **3** to book a timer for the highlighted event. Press **OK** to open the *Detail menu* for the selected event.
4. Press the numeric button **1** to open the Booking list menu.

6.3 Accessing the favourite channels

1. In viewing mode, press **FAV** to enter the favorite group menu.
2. Use ▲▼ to select the desired favourite group.
3. Press **OK** to enter the favourite channels list, and use ▲▼ to select the desired channel.

7.0 TROUBLE SHOOTING

There may be various reasons for abnormal operation of the receiver. Check the receiver according to the procedures shown below. If the receiver does not work properly after checking it, please contact your local Service line or STRONG dealer. Alternatively you can send a support mail via our website: **www.strong.tv**. **DO NOT** open the receiver cover. It may cause a dangerous situation and will void the warranty.

Problem	Possible cause	What to do
LED indicator not lit,	Mains lead unplugged	Check mains plug
No signal found	Aerial is disconnected Aerial is damaged/misaligned Out of digital signal area Active antenna requires to switch ON antenna power/ external power	Check aerial lead Check aerial Check with dealer Switch receiver's Antenna Power ON/ connect external power
No picture or sound on TV	Scart/ AV is not selected on your TV TV is not switched on	Switch to correct TV input Switch TV on
Scrambled channel message	Channel is scrambled	Select alternative channel

No response to remote control	Receiver off Remote not aimed correctly Front panel obstructed Remote batteries exhausted	Plug in and turn on plug Aim remote at front panel Check for obstructions Replace remote batteries
Forgotten PIN code		Contact local Service Hotline or send email to our Support via www.strong.tv
After moving the receiver to another room / area you are no longer able to receive digital reception	Antenna signals are too weak	Press the **INFO** button on remote 3x to call up signal bars and adjust antenna for (maximum) reception or rescan channels
The receiver switches off automatically.	Auto Standby function enabled.	Disable auto standby. See section 5.3.8 for details.

8.0 SPECIFICATIONS

Demodulator:

Demodulator:	COFDM; 16 QAM/64 QAM
Transmission mode:	2 K - 8 K

Video Decoder:

Profile level:	MPEG2 MP@ML
Video resolution:	720 x 576 pixels (PAL), 720 x 480 (NTSC)
Decoding & Video Out:	PAL & NTSC
Aspect ratio:	4:3, 16:9

Audio Decoder:

MPEG MusiCam Layer 2

Sampling rate:	32, 44.1, 48 kHz
Audio mode:	Stereo, Joint Stereo, Dual Mono, Mono

Tuner:

Front End:	DVB-T, UHF & VHF Tuner
Input frequency range:	174 ~ 230 MHz (VHF) and 470 ~ 862 MHz (UHF)
Loop through frequency range:	47 ~ 862 MHz
Input signal level:	-82 ~ -20 dBm

Multimedia:

Video playback:	MPEG-1 and MPEG-2 encoded (mpg)
Audio playback:	MP3 and WMA formats
Picture view:	JPEG format

Memory and System:

Flash memory:	1 MByte
SDRAM:	8 MBytes

Connectors:

ANT IN:	IEC Female
TO TV:	IEC Male
TV SCART (RGB, CVBS)	
S/PDIF:	coaxial output
USB 1.1 port:	max. 5 V/800 mA

General Data:

Supply Voltage:	220 – 240 V AC (SMPS), 50/60 Hz
Power Consumption:	3.13 W (typ.), 5 W (max)
Power consumption in Standby:	0.74 W
Operating Temperature:	0 ~ 40 °C
Storage Temperature:	-30 ~ 80 °C
Operating Humidity Range:	10 ~ 85 %, RH, Non-condensing
Size (WxDxH) in mm:	138 x 115 x 40
Net-weight:	0.33 kg